

**Anti-CD20 Reference Antibody (rituximab)
Recombinant Antibody
Catalog # APR10038****Specification**

Anti-CD20 Reference Antibody (rituximab) - Product Information

Application	FC, E, FTA
Primary Accession	P11836
Reactivity	Cynomolgus, Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145.2 KDa

Anti-CD20 Reference Antibody (rituximab) - Additional Information**Target/Specificity**
CD20**Endotoxin**
< 0.001EU/ µg,determined by LAL method.**Conjugation**
Unconjugated**Expression system**
CHO Cell**Format**
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Storage**
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.**Anti-CD20 Reference Antibody (rituximab) - Protein Information****Name** MS4A1**Synonyms** CD20**Function**
B-lymphocyte-specific membrane protein that plays a role in the regulation of cellular calcium influx necessary for the development, differentiation, and activation of B-lymphocytes (PubMed:3925015, PubMed:7684739, PubMed:12920111). Functions as a store-operated calcium (SOC) channel component promoting calcium influx after activation by

the B-cell receptor/BCR (PubMed:7684739, PubMed:12920111, PubMed:18474602).

Cellular Location

Cell membrane; Multi-pass membrane protein. Cell membrane; Lipid-anchor. Note=Constitutively associated with membrane rafts.

Tissue Location

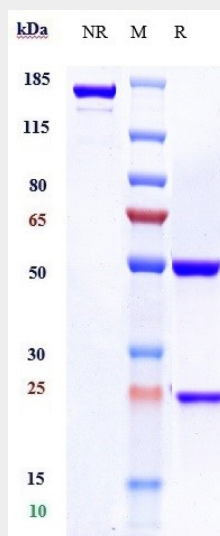
Expressed on B-cells.

Anti-CD20 Reference Antibody (rituximab) - Protocols

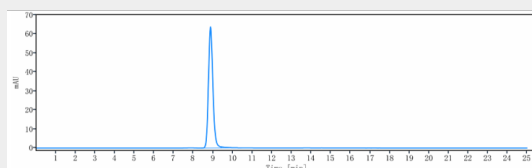
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CD20 Reference Antibody (rituximab) - Images

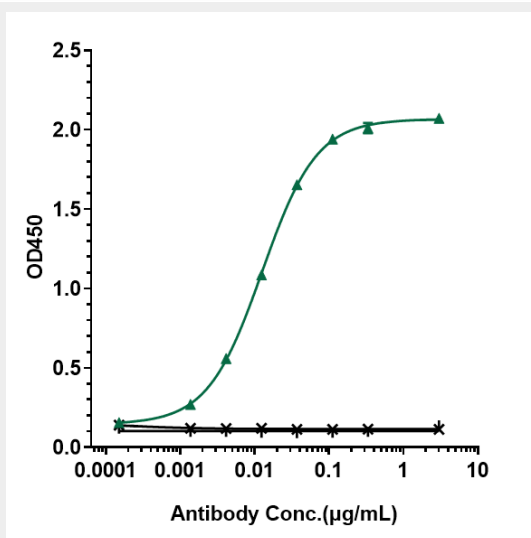


Anti-CD20 Reference Antibody (rituximab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

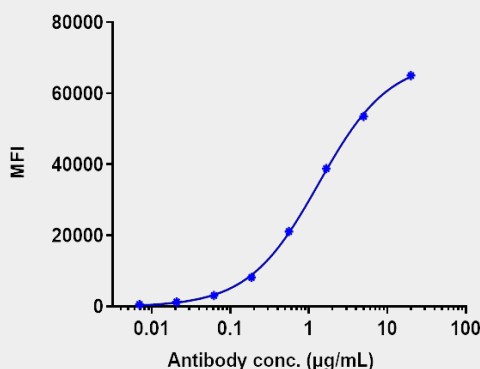


The purity of Anti-CD20 Reference Antibody (rituximab) is more than 98.97%, determined by

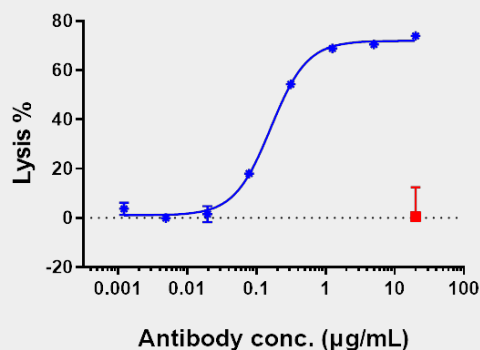
SEC-HPLC.



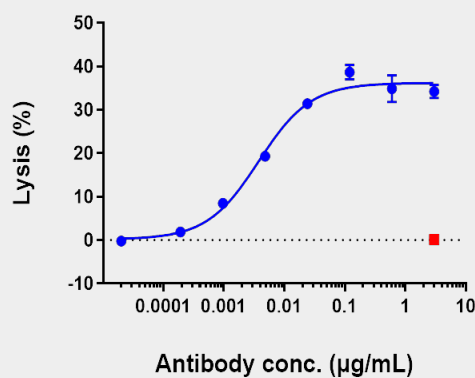
Immobilized human EGFR His at 2 µg/mL can bind Anti-CD20 Reference Antibody (rituximab) $EC_{50}=0.01573/0.01258$ µg/mL



Raji cells were stained with Anti-CD20 Reference Antibody (rituximab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, $EC_{87}=1.334$ µg/mL



Anti-CD20 Reference Antibody (rituximab)-induced CDC activity was evaluated using Raji Cell. The max Lysis rate was approximately 74%.



Anti-CD20 Reference Antibody (rituximab)-induced ADCC activity was evaluated using Raji Cell. The max Lysis rate was approximately 35%.